

A B S T R A C T

AN IMPEDANCE MATCHER FOR A HIGH BIT RATE TRANSMISSION
CHANNEL OF A COPPER-WIRED TERMINAL INSTALLATION

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The present invention relates to an impedance
matcher for matching the impedance of a high bit rate
transmission channel of a copper-wired terminal
installation comprising a high bit rate x-DSL modem (M)
10 and a jack (P; P1; P2, P3), which automatically matches
the impedance of the high bit rate transmission channel
according to whether a modem is plugged into the jack of
the installation or not. The impedance matcher comprises
an adjustment module (10) adapted to insert a terminating
15 impedance into the jack (P; P1, P2, P3) when it is not
connected to said high bit rate modem (M), and a coupling
module (20) adapted to be combined with said adjustment
module (10) when said high bit rate modem (M) is
connected to said jack (P; P1, P2, P3) to transform the
20 impedance inserted into said jack to make it transparent
to high bit rate transmission of broadband services.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made
subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2,
38.2, and/or 48.3.